

RIPTIDE MARINE

RIPTIDE-X 4800 RESIN

SERIES

Revised: January 31, 2025

PRODUCT INFORMATION

PL.09

PRODUCT DESCRIPTION

RIPTIDE RESIN is a chemically cured 2 part resin coating that provides superior exterior and interior performance. It presents an amazing deep gloss and wet look with depth that offers excellent color and gloss retention. RIPTIDE-X 4800 has superior abrasion resistance and splash resistance to Alkalies (salts), Acids (non-oxidizing), and Skydrol, as well as, excellent resistance to immersion in fuels (JP 4, JP 5) and oils (Diesel Oil, Light Fuel Oil, Lubricating Oils, and Synthetic Lubricating Oils).

X 4800 RESIN has a unique formula that includes a special blend UV shielding additives to provide the ultimate appearance with no tendency to yellow in sunlight or to darken in ship interior and engine rooms.

PRODUCT CHARACTERISTICS

Finish:	Extremely High Gloss (95+ Units)
Colors:	Wide range of colors available
Volume Solids:	56% ± 2%, mixed, may vary by color
Weight Solids:	64% ± 2%, mixed, may vary by color
VOC, unreduced:	<420 g/L; <3.5 lb/gal
Mix Ratio:	1A:2B by volume

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	2.0 (50)	4.0 (100)
Dry mils (microns)	1.1 (28)	2.2 (55)
~Coverage sq ft/gal (m²/L)	408 (10)	816 (20)
Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft	898 (22)	

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 4.0 mils (100 microns) wet:

	@ 40°F/4.5°C	@ 50°F/10°C	@ 77°F/25°C	@ 110°F/43°C
	50% RH			
To touch:	12 hours	10 hours	2 hours	30 minutes
To recoat:				
Minimum:	16 hours	12 hours	6 hours	4 hours
Maximum:	4 days	3 days	48 hours	24 hours
To cure:	7 days	7 days	5 days	5 days
Sweat-In / Induction:	45 minutes	30 minutes	15 minutes	None
Pot life:	12 hours	10 hours	5 hours	2 hours

*If maximum recoat time is exceeded, abrade surface before recoating.
Drying time is temperature, humidity, and film thickness dependent.*

PRODUCT CHARACTERISTICS (CONT'D)

Shelf Life*:	36 months, unopened Store indoors at 40°F (4.5°C) to 100°F (38°C).
*6 months after tinting	
Reducer/Clean Up:	PL No. 29 x reducer

RECOMMENDED USES

- Marine finish coat
- Superstructures and pilot houses
- Ship hulls
- Roller coasters
- fiber glass Waterslides
- structures around and in pool areas

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Minimum recommended surface preparation:

Existing, Aged Coatings*: Solvent Cleaning then scarify / abrade the surface to ensure proper adhesion.

Immersion Service: RIPTIDE 3000, RIPTIDE 4000, or RIPTIDE 4018

Atmospheric Service: RIPTIDE 3000, RIPTIDE 4000, or RIPTIDE 4018

*check for compatibility prior to application

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APPLICATION BULLETIN

PL.09

RECOMMENDED SYSTEMS

	Dry Film Thickness / ct.	
	Mils	(Microns)
<u>Steel, Aluminum, Fiberglass & Wood:</u> 1		
ct. RIPTIDE 3000 - Blue (Primer)	4.0-6.0	(100-150)
2 cts. RIPTIDE 3000 - White or Light Gray		
(Barrier Coat)	4.0-6.0	(100-150)
2 cts. RIPTIDE X-4800	1.1-2.2	(28-55)
OR		
1 ct. RIPTIDE Strontium Primer	3.0-4.0	(75-100)
2 cts. RIPTIDE 3000 - White or Light Gray		
(Barrier Coat)	4.0-6.0	(100-150)
2 cts. RIPTIDE 4800 X 4800	1.1-2.2	(28-55)
OR		
1 ct. RIPTIDE 4000 Primer	3.0-4.0	(75-100)
2-3 cts. RIPTIDE 4000 Barrier Coat	3.0-4.0	(75-100)
2 cts. RIPTIDE 4800 X 4800	1.1-2.2	(28-55)
<u>Aluminum:</u>		
1 ct. RIPTIDE 4018 Strontium Primer	3.0-4.0	(75-100)
2 cts. RIPTIDE 3000 - White or Light Gray		
(Barrier Coat)	4.0-6.0	(100-150)
2 cts. RIPTIDE X 4800	1.1-2.2	(28-55)
OR		
1 ct. RIPTIDE 3000 - Blue (Primer)	4.0-6.0	(100-150)
2 cts. RIPTIDE 3000 - White or Light Gray		
(Barrier Coat)	4.0-6.0	(100-150)
2 cts. RIPTIDE X 4800	1.1-2.2	(28-55)

APPLICATION CONDITIONS

Temperature:	40°F (4.5°C) minimum, 120°F (49°C) maximum (air, surface, and material) At least 5°F (2.8°C) above dew point
Relative Humidity:	85% maximum

APPLICATION EQUIPMENT

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

Reducer/Clean Up.....PL (No. 29/SPRAY) (NO.40 ROLL)

Airless Spray OPTIONAL NO.40 REDUCER

Pressure.....2500-3000 psi minimum
Hose.....1/4" - 3/8" ID
Tip0.13"-0.17"
Filter.....60 mesh

Conventional Spray OPTIONAL NO.40 REDUCER

GunBinks 95
Cap63P
Tip66
Atomization Pressure.....50-60 psi
Fluid Pressure.....20 – 30 psi

Brush MUST USE NO. 40 REDUCER

Brush.....Natural Bristle

Roller MUST USE NO. 40 REDUCER

Cover1/4" woven with solvent resistant core

If specific application equipment is not listed above, equivalent equipment may be substituted.

ORDERING INFORMATION

Packaging:	1 gallon (3.78L) kits
Weight:	9.45 ± 0.2 lb/gal ; 1.1 Kg/L, mixed may vary by color

MIXING INSTRUCTIONS

calculate, measure and mix 33% x catalyst 4800 with 67% x resin 4800 total mix = 100% After mixing add in flow agent at 7 % of total mixture

SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

WARRANTY

The RIPTIDE COMPANY warrants our products to be free of manufacturing defects in accord with applicable RIPTIDE quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by RIPTIDE MARINE. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY RIPTIDE UNLESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

DISCLAIMER

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